

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Enduring Resources IV LLC. 200 Energy Court Farmington NM 87401		² OGRID Number 372286	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-045-35843	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 332891 321259	⁸ Property Name GREATER LYBROOK UNIT W LYBROOK UNIT		⁹ Well Number #730H

II. ¹⁰ Surface Location

UL or lot no. C	Section 27	Township 23N	Range 9W	Lot Idn	Feet from the 1141'	North/South Line North	Feet from the 2446'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. B	Section 21	Township 23N	Range 9W	Lot Idn	Feet from the 163'	North/South line North	Feet from the 2134'	East/West line East	County San Juan
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 8/4/2022		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	WESTERN REFINING COMPANY, LLC	O
373888	HARVEST FOUR CORNERS. LLC	G

IV. Well Completion Data

²¹ Spud Date 2/3/2022	²² Ready Date 8/4/2022	²³ TD 12834' MD 4591' TVD	²⁴ PBDT 12717.8' MD 4589' TVD	²⁵ Perforations ~ 4970' - 12718' MD ~ 4500' -4589' TVD	²⁶ DHC, MC R-14051	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8",54.5#, J-55		360' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2566' MD		604 sx- surface
8-1/2"		5-1/2",17#, P-110		12834' MD		1934 sx- surface
8-1/2"		2-7/8", 6.5#, L-80		4847' MD		NA

V. Well Test Data

³¹ Date New Oil 8/8/2022	³² Gas Delivery Date 8/4/2022	³³ Test Date 8/8/2022	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure 253	³⁶ Csg. Pressure 1087
³⁷ Choke Size 64/64	³⁸ Oil 90	³⁹ Water 483	⁴⁰ Gas 725		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kayla White	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ
Printed name: Kayla White	Title: PETROLEUM SPECIALIST
Title: Environmental Engineer	Approval Date: 2/7/2023
E-mail Address: kwhite@cdhconsult.com	
Date: 8/24/2022	Phone: 720-768-3575



ENDURING RESOURCES IV LLC

May 10, 2022

Re: W LYBROOK UNIT 730H-30-045-35843

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

A handwritten signature in blue ink, appearing to read "Heather Huntington".

Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

☐ AMENDED REPORT

AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35843	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 730H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

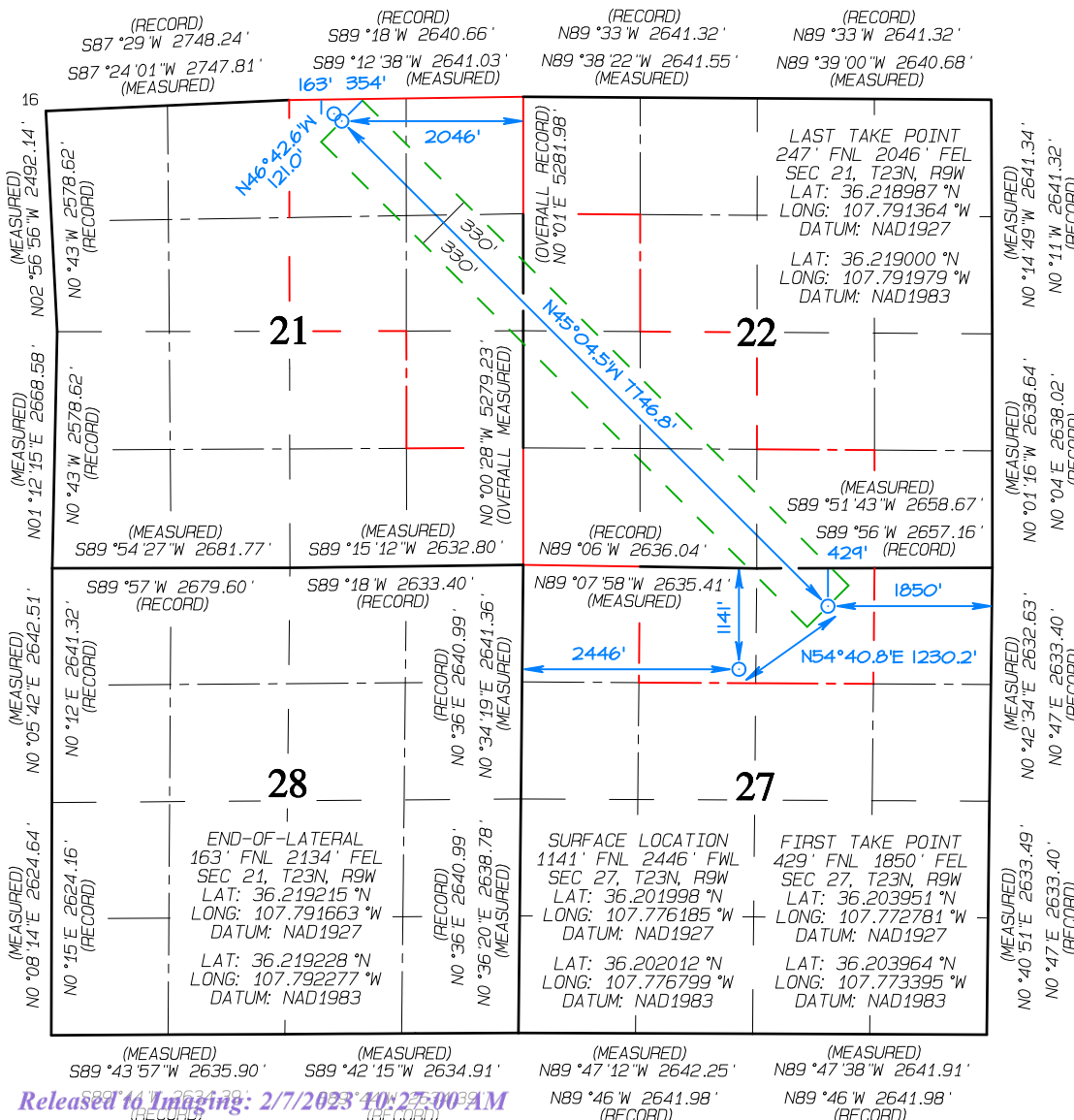
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	23N	9W		1141	NORTH	2446	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	23N	9W		163	NORTH	2134	EAST	SAN JUAN

¹² Dedicated Acres 520.00	SW/4 NW/4, SW/4 SW/4 SE/4 - Section 22 NE/4, NE/4 SE/4 - Section 21 NE/4 NW/4, NW/4 NE/4 - Section 27	¹³ Joint or Infill	¹⁴ Consolidation Code R-22081	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Heather Huntington Date: 8/16/22
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresources.com

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 9, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

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⁴ Property Code 332891	⁵ Property Name GREATER LYBROOK UNIT	⁶ Well Number 730H
⁷ GRID No. 372286	⁸ Operator Name ENDURING RESOURCES, LLC	⁹ Elevation 6641'

¹⁰ Surface Location

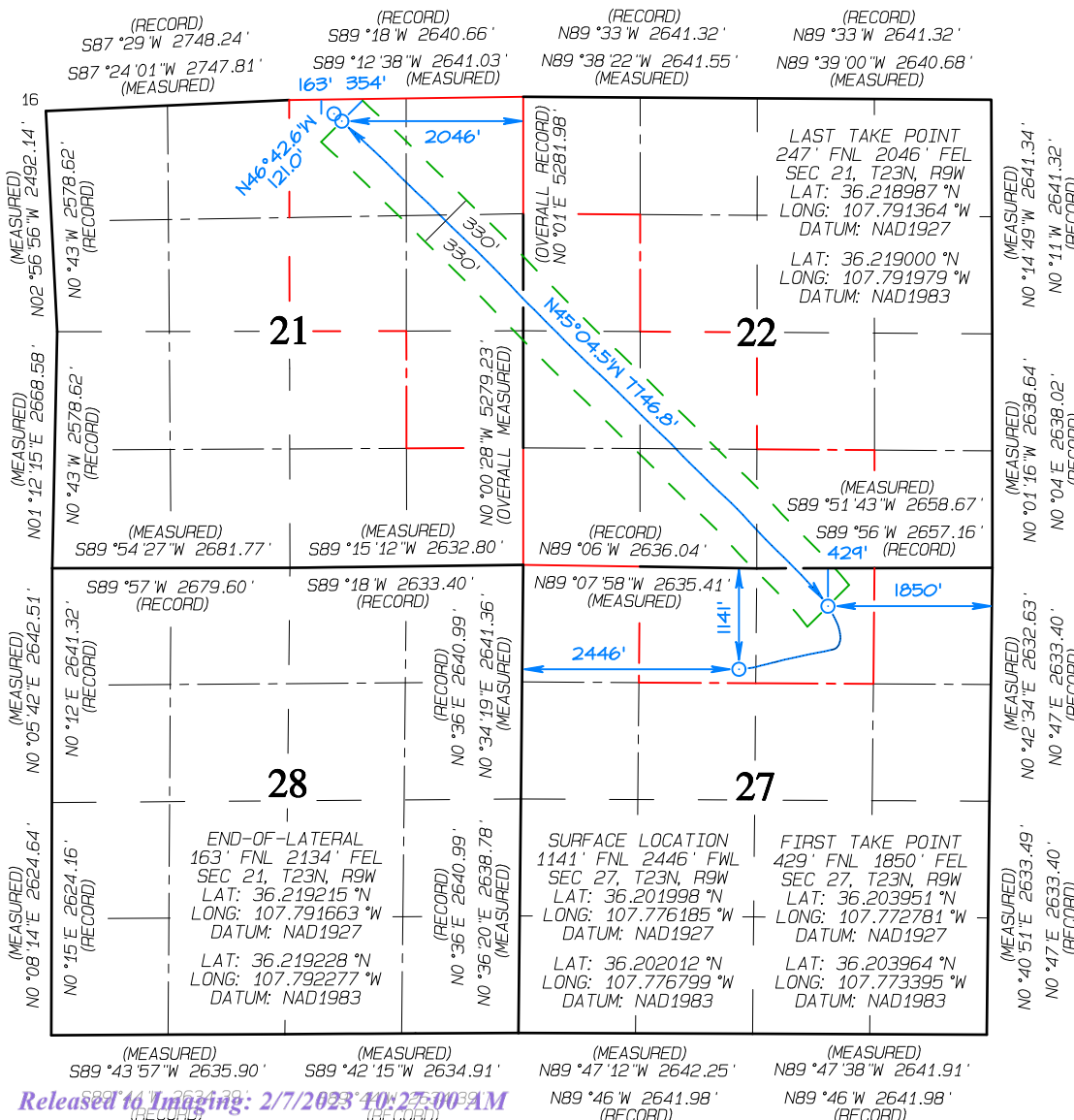
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	23N	9W		1141	NORTH	2446	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Signature: Heather Huntington Date: 8/16/22
Printed Name: Heather Huntington
E-mail Address: hhuntington@enduringresources.com

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Date Revised: MAY 9, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

District I
ived by OGD: 9/15/2022 3:19:36 PM
 Phone: (575) 393-6161 Fax: (575) 393-0720

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 811 S. First Street, Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720

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⁷ OGRID No. 372286		⁸ Operator Name ENDURING RESOURCES, LLC			⁹ Elevation 6641'

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¹¹ Bottom Hole Location If Different From Surface

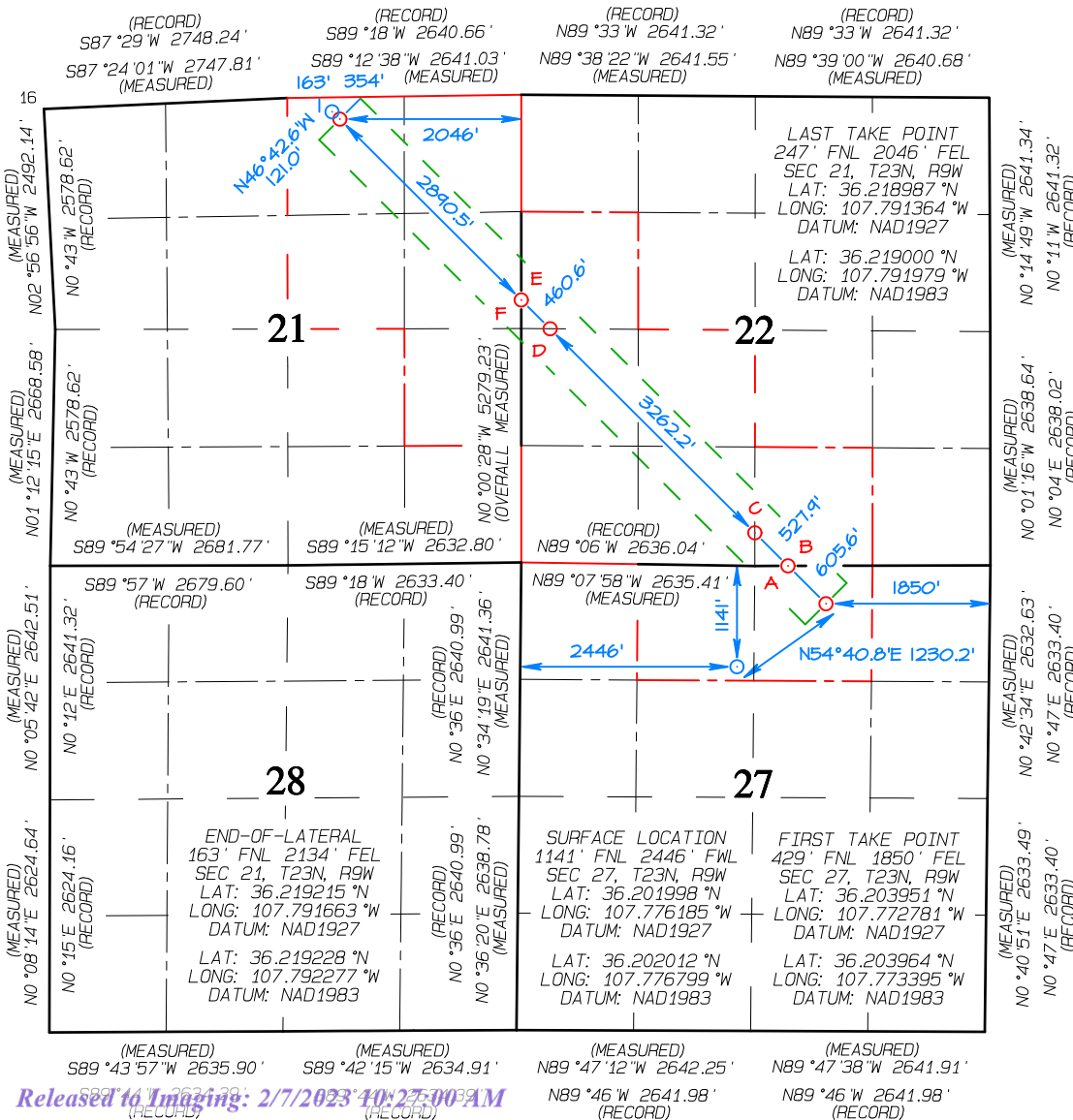
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	23N	9W		163	NORTH	2134	EAST	SAN JUAN

12 Dedicated Acres		SW/4	NW/4	SW/4
520.00				
	SW/4	SE/4	-	Section 22
	NE/4,	NE/4	SE/4	- Section 21
NE/4	NW/4,	NW/4	NE/4	- Section 27

¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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R-22081

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Signature Heath H. Date 8/16/22

Heather Huntington

Printed Name

E-mail Address

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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 9, 2022
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number	15269
--------------------	-------

(A) 0' FNL 2285' FEL
SEC 27, T23N, R9W
LAT: 36.205126 °N
LONG: 107.774234 °W
DATUM: NAD1927

LAT: 36.205139 °N
LONG: 107.774848 °W
DATUM: NAD1983

(B) 0' FSL 2285' FEL
SEC 22, T23N, R9W
LAT: 36.205126 °N
LONG: 107.774234 °W
DATUM: NAD1927

LAT: 36.205139 °N
LONG: 107.774848 °W
DATUM: NAD1983

(C) 374' FSL 2636' FWL
SEC 22, T23N, R9W
LAT: 36.206151 °N
LONG: 107.775500 °W
DATUM: NAD1927

LAT: 36.206164 °N
LONG: 107.776114 °W
DATUM: NAD1983

(D) 2642' FSL 326' FWL
SEC 22, T23N, R9W
LAT: 36.212483 °N
LONG: 107.783325 °W
DATUM: NAD1927

LAT: 36.212496 °N
LONG: 107.783939 °W
DATUM: NAD1983

(E) 2316' FNL 0' FWL
SEC 22, T23N, R9W
LAT: 36.213377 °N
LONG: 107.784430 °W
DATUM: NAD1927

LAT: 36.213390 °N
LONG: 107.785044 °W
DATUM: NAD1983

(F) 2316' FNL 0' FEL
SEC 21, T23N, R9W
LAT: 36.213377 °N
LONG: 107.784430 °W
DATUM: NAD1927

LAT: 36.213390 °N
LONG: 107.785044 °W
DATUM: NAD1983



Company: Enduring Resources LLC
Well: W Lybrook Unit No. 730H
Site: W Lybrook 730 Pad (730, 763, 830, 861 & 863)
Project: San Juan County, New Mexico NAD83 NM W
Design: Surveys Original Hole
Rig: Ensign 773

ANNOTATIONS SURVEYS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Annotation
401.00	0.97	219.150	400.98	-2.63	-2.14	-0.36	MWD surveys
2557.00	27.61	75.795	2466.60	84.17	421.61	-237.36	9 5/8" Casing @ 2557 MD 2466.60 TVD
4967.23	70.16	327.003	4500.00	711.12	1003.76	-202.69	FTP G-top 4967.23 MD 4500.00 TVD
12704.00	88.85	313.290	4588.99	6168.68	-4467.41	7525.00	Survey @ 12704.00 MD 4588.99 TVD
12723.00	88.85	313.290	4589.37	6181.70	-4481.23	7543.99	LTP @ 12723 MD 4589.37 TVD
12737.00	88.85	313.290	4589.65	6191.30	-4491.42	7557.98	330 perp @ 12737.00 MD 4589.65 TVD
12844.00	88.85	313.290	4591.80	6264.66	-4569.29	7664.90	Survey Proj. to 12844 MD 4591.80 TVD 163 FNL 2134 FEL

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6641+28 @ 6669.00ft (Ensign 773)

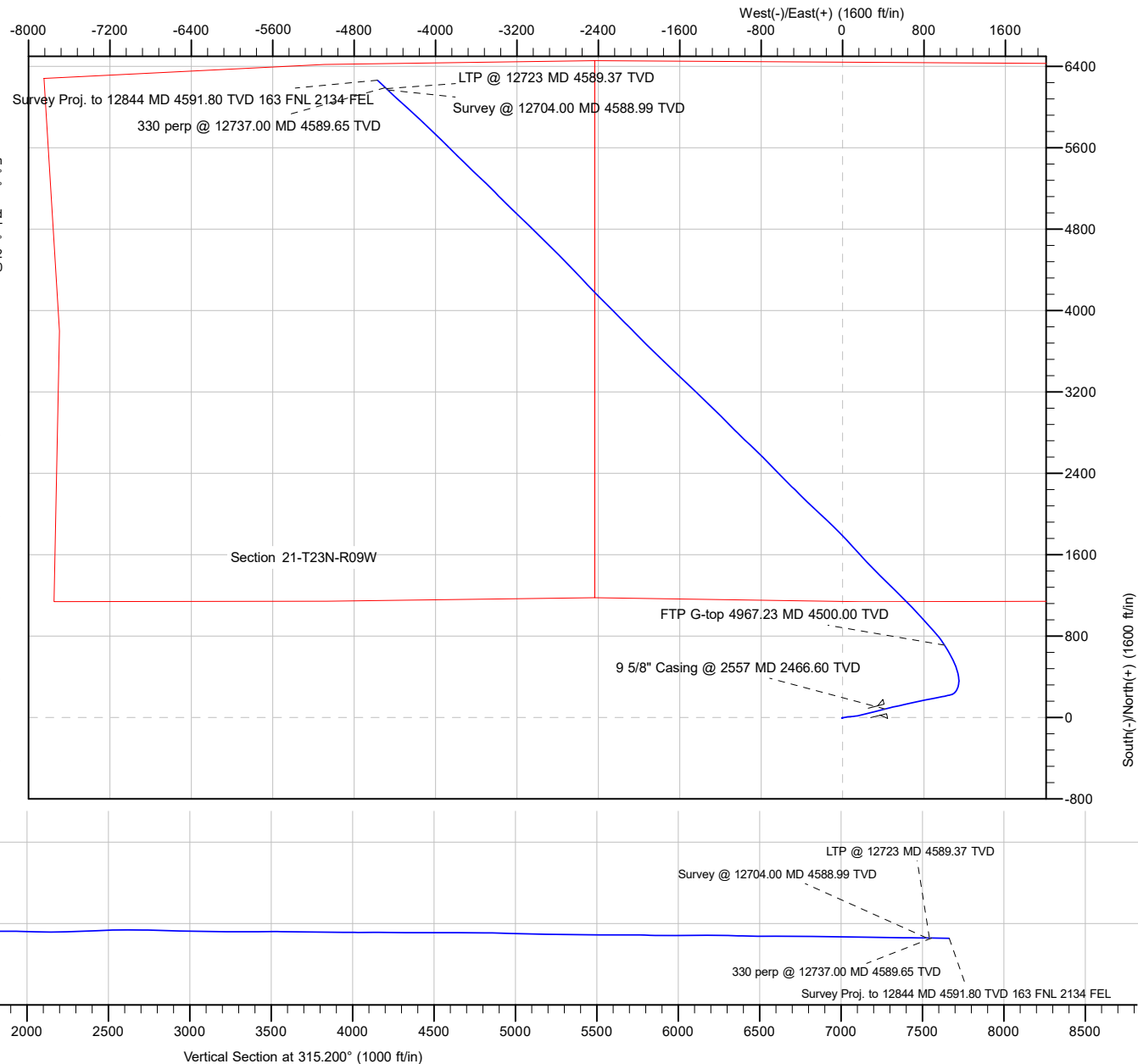
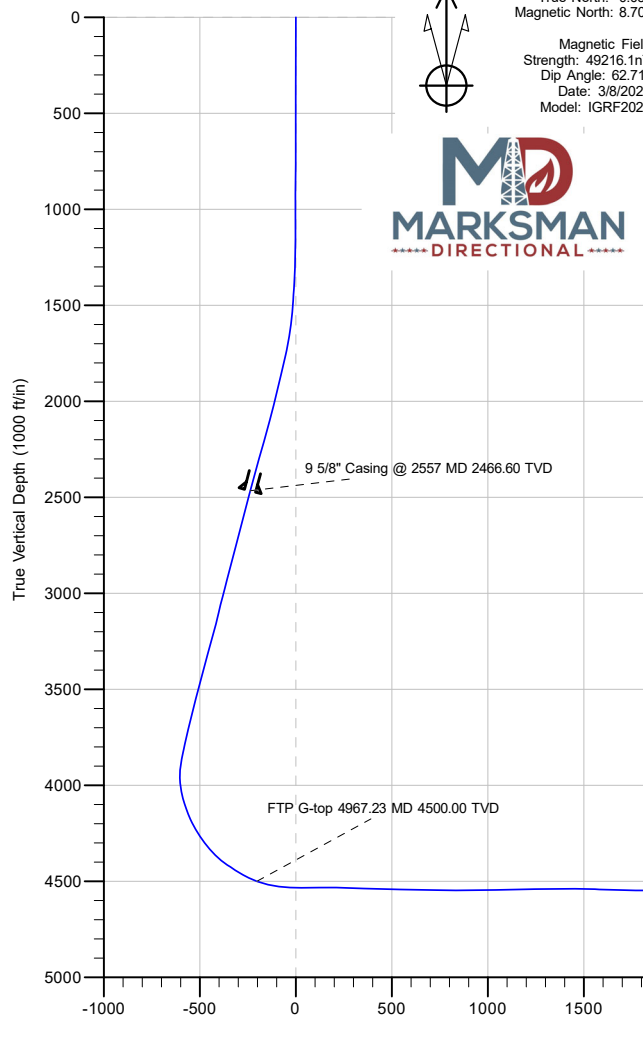
Northing 1892834.713 Easting 2739771.058 Latitude 36.202012000 Longitude -107.776799000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.70°



Azimuths to Grid North
 True North: -0.03°
 Magnetic North: 8.70°

Magnetic Field
 Strength: 49216.1nT
 Dip Angle: 62.71°
 Date: 3/8/2022
 Model: IGRF2020





Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	W Lybrook 730 Pad (730, 763, 830, 861 & 863)		
Site Position:		Northing:	1,888,164.052 usft
From:	Lat/Long	Easting:	2,741,098.391 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	36.189179000
		Longitude:	-107.772310000

Well	W Lybrook Unit No. 730H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
Grid Convergence:	0.03 °	Ground Level:	6,641.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/8/2022	8.74	62.71	49,216.10701673

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.200	

Survey Program	Date	4/14/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
401.00	2,509.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,583.00	12,704.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,844.00	12,844.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
401.00	0.97	219.150	400.98	-2.63	-2.14	-0.36	0.24	0.24	0.00	
MWD surveys										
493.00	0.70	216.780	492.97	-3.69	-2.97	-0.52	0.30	-0.29	-2.58	
584.00	0.70	230.490	583.96	-4.49	-3.73	-0.55	0.18	0.00	15.07	
675.00	0.53	211.590	674.96	-5.20	-4.38	-0.60	0.29	-0.19	-20.77	
766.00	0.44	214.230	765.96	-5.84	-4.80	-0.77	0.10	-0.10	2.90	
857.00	0.40	206.050	856.95	-6.42	-5.14	-0.94	0.08	-0.04	-8.99	



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
948.00	0.44	201.480	947.95	-7.03	-5.40	-1.18	0.06	0.04	-5.02
1,039.00	0.31	230.400	1,038.95	-7.51	-5.72	-1.30	0.25	-0.14	31.78
1,132.00	1.23	49.870	1,131.94	-7.03	-5.15	-1.36	1.66	0.99	192.98
1,226.00	2.50	70.180	1,225.89	-5.68	-2.45	-2.31	1.50	1.35	21.61
1,320.00	4.53	70.620	1,319.71	-3.76	2.98	-4.77	2.16	2.16	0.47
1,414.00	6.72	75.010	1,413.25	-1.10	11.80	-9.09	2.37	2.33	4.67
1,508.00	8.75	76.940	1,506.39	1.94	24.07	-15.59	2.18	2.16	2.05
1,603.00	11.87	81.430	1,599.85	5.03	40.78	-25.17	3.39	3.28	4.73
1,697.00	15.95	84.410	1,691.07	7.73	63.20	-39.05	4.41	4.34	3.17
1,791.00	19.51	84.850	1,780.60	10.39	91.70	-57.24	3.79	3.79	0.47
1,886.00	21.75	83.710	1,869.50	13.75	125.00	-78.32	2.40	2.36	-1.20
1,981.00	23.55	78.170	1,957.18	19.57	161.08	-99.62	2.94	1.89	-5.83
2,075.00	26.32	76.060	2,042.41	28.44	199.69	-120.53	3.09	2.95	-2.24
2,170.00	28.70	75.450	2,126.66	39.25	242.22	-142.83	2.52	2.51	-0.64
2,264.00	29.14	76.150	2,208.94	50.39	286.28	-165.97	0.59	0.47	0.74
2,358.00	28.78	76.150	2,291.19	61.29	330.48	-189.37	0.38	-0.38	0.00
2,453.00	28.13	75.620	2,374.71	72.33	374.37	-212.48	0.73	-0.68	-0.56
2,509.00	27.95	76.150	2,424.13	78.75	399.90	-225.91	0.55	-0.32	0.95
2,557.00	27.61	75.795	2,466.60	84.17	421.61	-237.36	0.78	-0.70	-0.74
9 5/8" Casing @ 2557 MD 2466.60 TVD									
2,583.00	27.43	75.600	2,489.66	87.14	433.25	-243.45	0.78	-0.70	-0.75
2,677.00	25.95	74.530	2,573.64	98.01	474.05	-264.49	1.66	-1.57	-1.14
2,772.00	25.95	78.590	2,659.07	107.66	514.46	-286.11	1.87	0.00	4.27
2,867.00	26.65	78.320	2,744.24	116.09	555.69	-309.19	0.75	0.74	-0.28
2,982.00	26.63	77.550	2,847.03	126.87	606.12	-337.07	0.30	-0.02	-0.67
3,076.00	24.96	76.590	2,931.66	136.01	645.99	-358.68	1.83	-1.78	-1.02
3,170.00	26.23	77.620	3,016.43	145.06	685.57	-380.14	1.43	1.35	1.10
3,265.00	24.61	76.300	3,102.23	154.25	725.30	-401.62	1.81	-1.71	-1.39
3,359.00	26.45	79.650	3,187.06	162.65	764.91	-423.57	2.49	1.96	3.56
3,453.00	24.99	78.630	3,271.74	170.32	804.97	-446.36	1.62	-1.55	-1.09
3,547.00	26.27	79.210	3,356.49	178.13	844.88	-468.93	1.39	1.36	0.62
3,642.00	25.40	78.360	3,442.00	186.18	885.48	-491.84	1.00	-0.92	-0.89
3,736.00	25.33	79.070	3,526.93	194.06	924.97	-514.07	0.33	-0.07	0.76
3,830.00	24.90	78.890	3,612.05	201.69	964.13	-536.25	0.46	-0.46	-0.19
3,924.00	23.29	77.690	3,697.85	209.46	1,001.71	-557.21	1.79	-1.71	-1.28
4,019.00	23.26	76.620	3,785.12	217.81	1,038.31	-577.08	0.45	-0.03	-1.13
4,050.00	22.32	75.900	3,813.70	220.66	1,049.97	-583.28	3.16	-3.03	-2.32
4,082.00	23.33	75.960	3,843.20	223.67	1,062.01	-589.62	3.16	3.16	0.19
4,113.00	23.63	72.140	3,871.63	227.07	1,073.88	-595.57	5.00	0.97	-12.32
4,144.00	23.96	62.220	3,900.01	231.91	1,085.37	-600.23	12.94	1.06	-32.00
4,176.00	24.67	52.160	3,929.18	239.04	1,096.40	-602.95	13.12	2.22	-31.44
4,208.00	25.82	43.260	3,958.14	248.21	1,106.45	-603.52	12.38	3.59	-27.81
4,239.00	27.71	35.400	3,985.82	259.01	1,115.26	-602.06	12.93	6.10	-25.35
4,270.00	28.62	28.370	4,013.16	271.42	1,122.96	-598.69	11.09	2.94	-22.68



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,302.00	28.88	22.740	4,041.22	285.29	1,129.59	-593.51	8.50	0.81	-17.59
4,333.00	29.19	17.960	4,068.33	299.39	1,134.82	-587.19	7.55	1.00	-15.42
4,365.00	29.76	13.590	4,096.19	314.54	1,139.09	-579.46	6.95	1.78	-13.66
4,396.00	30.85	8.550	4,122.96	329.88	1,142.08	-570.68	8.92	3.52	-16.26
4,428.00	32.06	3.770	4,150.26	346.47	1,143.86	-560.16	8.66	3.78	-14.94
4,460.00	32.54	358.910	4,177.31	363.55	1,144.25	-548.32	8.25	1.50	-15.19
4,490.00	33.67	354.570	4,202.44	379.90	1,143.31	-536.05	8.75	3.77	-14.47
4,522.00	35.43	350.790	4,228.80	397.89	1,140.99	-521.65	8.67	5.50	-11.81
4,553.00	37.59	348.990	4,253.72	416.04	1,137.74	-506.48	7.78	6.97	-5.81
4,585.00	39.00	346.770	4,278.83	435.43	1,133.58	-489.79	6.16	4.41	-6.94
4,616.00	40.59	345.030	4,302.65	454.67	1,128.74	-472.73	6.26	5.13	-5.61
4,648.00	43.25	342.710	4,326.46	475.20	1,122.79	-453.97	9.62	8.31	-7.25
4,680.00	46.04	340.480	4,349.23	496.52	1,115.68	-433.83	10.00	8.72	-6.97
4,711.00	49.37	338.090	4,370.09	517.96	1,107.56	-412.89	12.16	10.74	-7.71
4,743.00	52.40	335.730	4,390.28	540.79	1,097.82	-389.83	11.06	9.47	-7.38
4,774.00	55.82	333.780	4,408.45	563.50	1,087.10	-366.17	12.15	11.03	-6.29
4,806.00	58.31	332.440	4,425.84	587.45	1,074.95	-340.61	8.54	7.78	-4.19
4,837.00	58.66	331.790	4,442.05	610.81	1,062.59	-315.33	2.11	1.13	-2.10
4,869.00	59.70	331.100	4,458.44	634.94	1,049.45	-288.94	3.74	3.25	-2.16
4,900.00	62.97	330.130	4,473.31	658.64	1,036.10	-262.72	10.90	10.55	-3.13
4,931.00	66.35	328.280	4,486.58	682.70	1,021.76	-235.54	12.16	10.90	-5.97
4,963.00	69.71	327.210	4,498.55	707.79	1,005.92	-206.58	10.95	10.50	-3.34
4,967.23	70.16	327.003	4,500.00	711.12	1,003.76	-202.69	11.55	10.60	-4.89
FTP G-top 4967.23 MD 4500.00 TVD									
4,994.00	73.00	325.720	4,508.46	732.27	989.69	-177.78	11.55	10.62	-4.79
5,026.00	76.46	324.020	4,516.89	757.51	971.93	-147.35	11.97	10.81	-5.31
5,057.00	79.60	322.640	4,523.32	781.82	953.82	-117.33	11.03	10.13	-4.45
5,088.00	83.18	320.930	4,527.96	805.90	934.86	-86.89	12.77	11.55	-5.52
5,151.00	88.57	318.310	4,532.49	853.74	894.17	-24.27	9.51	8.56	-4.16
5,246.00	90.07	318.120	4,533.61	924.57	830.87	70.59	1.59	1.58	-0.20
5,340.00	90.79	317.760	4,532.91	994.36	767.90	164.48	0.86	0.77	-0.38
5,434.00	87.74	315.980	4,534.11	1,062.94	703.65	258.42	3.76	-3.24	-1.89
5,529.00	88.06	315.260	4,537.60	1,130.80	637.25	353.35	0.83	0.34	-0.76
5,624.00	88.66	315.020	4,540.31	1,198.11	570.27	448.31	0.68	0.63	-0.25
5,718.00	89.00	314.450	4,542.23	1,264.25	503.51	542.29	0.71	0.36	-0.61
5,812.00	88.38	313.920	4,544.38	1,329.75	436.12	636.25	0.87	-0.66	-0.56
5,907.00	89.11	315.500	4,546.46	1,396.57	368.63	731.22	1.83	0.77	1.66
6,002.00	88.86	315.060	4,548.15	1,464.06	301.79	826.20	0.53	-0.26	-0.46
6,097.00	91.53	317.470	4,547.82	1,532.69	236.13	921.17	3.79	2.81	2.54
6,192.00	91.75	317.270	4,545.10	1,602.56	171.81	1,016.06	0.31	0.23	-0.21
6,285.00	90.90	317.370	4,542.95	1,670.91	108.79	1,108.97	0.92	-0.91	0.11
6,380.00	90.97	317.740	4,541.40	1,741.00	44.68	1,203.88	0.40	0.07	0.39
6,474.00	89.95	314.720	4,540.65	1,808.87	-20.33	1,297.85	3.39	-1.09	-3.21



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,569.00	90.13	314.650	4,540.58	1,875.67	-87.88	1,392.84	0.20	0.19	-0.07
6,663.00	89.72	313.690	4,540.71	1,941.17	-155.30	1,486.83	1.11	-0.44	-1.02
6,758.00	87.77	311.380	4,542.79	2,005.37	-225.28	1,581.69	3.18	-2.05	-2.43
6,852.00	88.73	314.300	4,545.66	2,069.25	-294.16	1,675.56	3.27	1.02	3.11
6,947.00	89.52	314.800	4,547.11	2,135.89	-361.85	1,770.54	0.98	0.83	0.53
7,041.00	90.43	315.140	4,547.15	2,202.32	-428.36	1,864.54	1.03	0.97	0.36
7,135.00	87.86	312.720	4,548.55	2,267.52	-496.04	1,958.49	3.76	-2.73	-2.57
7,230.00	88.80	315.910	4,551.32	2,333.85	-563.97	2,053.42	3.50	0.99	3.36
7,324.00	89.17	316.020	4,552.99	2,401.42	-629.30	2,147.40	0.41	0.39	0.12
7,418.00	92.35	316.310	4,551.74	2,469.21	-694.39	2,241.37	3.40	3.38	0.31
7,512.00	92.37	315.130	4,547.87	2,536.45	-759.96	2,335.28	1.25	0.02	-1.26
7,607.00	92.15	313.660	4,544.12	2,602.85	-827.78	2,430.19	1.56	-0.23	-1.55
7,701.00	92.29	313.730	4,540.48	2,667.74	-895.70	2,524.09	0.17	0.15	0.07
7,795.00	89.05	313.700	4,539.38	2,732.69	-963.63	2,618.04	3.45	-3.45	-0.03
7,889.00	89.89	314.030	4,540.25	2,797.83	-1,031.39	2,712.01	0.96	0.89	0.35
7,984.00	88.02	315.210	4,541.98	2,864.54	-1,099.00	2,806.98	2.33	-1.97	1.24
8,078.00	88.66	315.260	4,544.71	2,931.25	-1,165.16	2,900.94	0.68	0.68	0.05
8,172.00	88.33	314.410	4,547.18	2,997.50	-1,231.80	2,994.91	0.97	-0.35	-0.90
8,267.00	88.98	314.410	4,549.41	3,063.96	-1,299.64	3,089.87	0.68	0.68	0.00
8,361.00	89.33	314.080	4,550.79	3,129.54	-1,366.98	3,183.85	0.51	0.37	-0.35
8,456.00	90.31	314.560	4,551.09	3,195.92	-1,434.94	3,278.84	1.15	1.03	0.51
8,551.00	90.28	313.810	4,550.60	3,262.13	-1,503.06	3,373.82	0.79	-0.03	-0.79
8,645.00	90.71	313.690	4,549.79	3,327.13	-1,570.96	3,467.79	0.47	0.46	-0.13
8,740.00	88.37	311.790	4,550.55	3,391.59	-1,640.72	3,562.68	3.17	-2.46	-2.00
8,834.00	90.46	314.780	4,551.51	3,456.03	-1,709.14	3,656.61	3.88	2.22	3.18
8,928.00	88.74	312.960	4,552.17	3,521.16	-1,776.90	3,750.58	2.66	-1.83	-1.94
9,022.00	90.15	314.960	4,553.08	3,586.41	-1,844.55	3,844.54	2.60	1.50	2.13
9,117.00	88.73	313.630	4,554.01	3,652.74	-1,912.54	3,939.52	2.05	-1.49	-1.40
9,211.00	89.97	316.470	4,555.07	3,719.26	-1,978.94	4,033.50	3.30	1.32	3.02
9,306.00	90.25	315.740	4,554.89	3,787.71	-2,044.80	4,128.49	0.82	0.29	-0.77
9,400.00	88.91	313.960	4,555.58	3,854.00	-2,111.44	4,222.48	2.37	-1.43	-1.89
9,495.00	89.98	315.870	4,556.50	3,921.07	-2,178.71	4,317.47	2.30	1.13	2.01
9,589.00	90.00	315.600	4,556.52	3,988.39	-2,244.32	4,411.47	0.29	0.02	-0.29
9,683.00	90.19	315.050	4,556.36	4,055.23	-2,310.41	4,505.46	0.62	0.20	-0.59
9,777.00	89.66	313.740	4,556.48	4,120.99	-2,377.57	4,599.45	1.50	-0.56	-1.39
9,872.00	89.35	316.510	4,557.31	4,188.30	-2,444.59	4,694.44	2.93	-0.33	2.92
9,966.00	90.76	317.490	4,557.22	4,257.05	-2,508.70	4,788.39	1.83	1.50	1.04
10,060.00	87.88	316.170	4,558.33	4,325.59	-2,573.00	4,882.33	3.37	-3.06	-1.40
10,154.00	88.54	315.930	4,561.27	4,393.23	-2,638.20	4,976.28	0.75	0.70	-0.26
10,249.00	89.27	316.060	4,563.08	4,461.55	-2,704.19	5,071.25	0.78	0.77	0.14
10,344.00	88.37	315.380	4,565.04	4,529.55	-2,770.50	5,166.22	1.19	-0.95	-0.72
10,438.00	88.43	314.950	4,567.66	4,596.18	-2,836.75	5,260.19	0.46	0.06	-0.46
10,533.00	89.80	314.970	4,569.13	4,663.30	-2,903.96	5,355.17	1.44	1.44	0.02



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,627.00	89.72	314.610	4,569.52	4,729.52	-2,970.67	5,449.17	0.39	-0.09	-0.38	
10,721.00	90.09	313.660	4,569.68	4,794.98	-3,038.13	5,543.15	1.08	0.39	-1.01	
10,815.00	89.74	314.310	4,569.82	4,860.26	-3,105.77	5,637.13	0.79	-0.37	0.69	
10,910.00	90.00	313.280	4,570.04	4,926.01	-3,174.34	5,732.10	1.12	0.27	-1.08	
11,004.00	87.27	314.380	4,572.27	4,991.08	-3,242.13	5,826.04	3.13	-2.90	1.17	
11,098.00	89.57	314.370	4,574.87	5,056.79	-3,309.28	5,919.98	2.45	2.45	-0.01	
11,193.00	91.55	315.930	4,573.94	5,124.13	-3,376.28	6,014.97	2.65	2.08	1.64	
11,287.00	90.70	315.410	4,572.09	5,191.36	-3,441.95	6,108.95	1.06	-0.90	-0.55	
11,382.00	89.43	313.740	4,571.98	5,258.03	-3,509.62	6,203.94	2.21	-1.34	-1.76	
11,477.00	87.63	312.220	4,574.42	5,322.77	-3,579.09	6,298.83	2.48	-1.89	-1.60	
11,572.00	89.60	314.740	4,576.72	5,388.11	-3,647.99	6,393.75	3.37	2.07	2.65	
11,666.00	88.82	313.990	4,578.01	5,453.83	-3,715.19	6,487.73	1.15	-0.83	-0.80	
11,760.00	90.84	313.820	4,578.29	5,519.01	-3,782.91	6,581.70	2.16	2.15	-0.18	
11,855.00	89.66	315.710	4,577.88	5,585.91	-3,850.35	6,676.69	2.35	-1.24	1.99	
11,949.00	88.74	314.410	4,579.19	5,652.44	-3,916.74	6,770.67	1.69	-0.98	-1.38	
12,043.00	89.57	314.360	4,580.58	5,718.18	-3,983.91	6,864.65	0.88	0.88	-0.05	
12,137.00	89.53	313.970	4,581.32	5,783.67	-4,051.34	6,958.64	0.42	-0.04	-0.41	
12,231.00	88.74	313.060	4,582.73	5,848.38	-4,119.50	7,052.58	1.28	-0.84	-0.97	
12,326.00	89.09	312.740	4,584.53	5,913.04	-4,189.08	7,147.49	0.50	0.37	-0.34	
12,420.00	89.64	312.090	4,585.58	5,976.44	-4,258.47	7,241.37	0.91	0.59	-0.69	
12,515.00	88.81	310.860	4,586.86	6,039.35	-4,329.64	7,336.16	1.56	-0.87	-1.29	
12,609.00	89.88	314.300	4,587.93	6,102.94	-4,398.84	7,430.04	3.83	1.14	3.66	
12,704.00	88.85	313.290	4,588.99	6,168.68	-4,467.41	7,525.00	1.52	-1.08	-1.06	
Survey @ 12704.00 MD 4588.99 TVD										
12,723.00	88.85	313.290	4,589.37	6,181.70	-4,481.23	7,543.99	0.00	0.00	0.00	
LTP @ 12723 MD 4589.37 TVD										
12,737.00	88.85	313.290	4,589.65	6,191.30	-4,491.42	7,557.98	0.00	0.00	0.00	
330 perp @ 12737.00 MD 4589.65 TVD										
12,844.00	88.85	313.290	4,591.80	6,264.66	-4,569.29	7,664.90	0.00	0.00	0.00	
Survey Proj. to 12844 MD 4591.80 TVD 163 FNL 2134 FEL										

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,557.00			9-5/8	12-1/4



Survey Report



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
401.00	400.98	-2.63	-2.14	MWD surveys
2,557.00	2,466.60	84.17	421.61	9 5/8" Casing @ 2557 MD 2466.60 TVD
4,967.23	4,500.00	711.12	1,003.76	FTP G-top 4967.23 MD 4500.00 TVD
12,704.00	4,588.99	6,168.68	-4,467.41	Survey @ 12704.00 MD 4588.99 TVD
12,723.00	4,589.37	6,181.70	-4,481.23	LTP @ 12723 MD 4589.37 TVD
12,737.00	4,589.65	6,191.30	-4,491.42	330 perp @ 12737.00 MD 4589.65 TVD
12,844.00	4,591.80	6,264.66	-4,569.29	Survey Proj. to 12844 MD 4591.80 TVD 163 FNL 2134 FEL



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Project	San Juan County, New Mexico NAD83 NM W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	W Lybrook 730 Pad (730, 763, 830, 861 & 863)				
Site Position:		Northing:	1,888,164.052 usft	Latitude:	36.189179000
From:	Lat/Long	Easting:	2,741,098.391 usft	Longitude:	-107.772310000
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well	W Lybrook Unit No. 730H					
Well Position	+N/-S	0.00 ft	Northing:	1,892,834.713 usft	Latitude:	36.202012000
	+E/-W	0.00 ft	Easting:	2,739,771.058 usft	Longitude:	-107.776799000
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,641.00 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/8/2022	8.74	62.71	49,216.10701673

Design	Surveys Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	315.200	

Survey Program	Date	4/14/2022			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
401.00	2,509.00	MWD surf (Original Hole)	MWD	OWSG MWD - Standard	
2,583.00	12,704.00	MWD (Original Hole)	MWD	OWSG MWD - Standard	
12,844.00	12,844.00	Projection (Original Hole)	MWD	OWSG MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,892,834.713	2,739,771.058	36.202012000	-107.776799000
401.00	0.97	219.150	400.98	-2.63	-2.14	1,892,832.081	2,739,768.915	36.202004772	-107.776806269
MWD surveys									
493.00	0.70	216.780	492.97	-3.69	-2.97	1,892,831.027	2,739,768.087	36.202001878	-107.776809078
584.00	0.70	230.490	583.96	-4.49	-3.73	1,892,830.228	2,739,767.325	36.201999685	-107.776811661
675.00	0.53	211.590	674.96	-5.20	-4.38	1,892,829.516	2,739,766.676	36.201997729	-107.776813864
766.00	0.44	214.230	765.96	-5.84	-4.80	1,892,828.869	2,739,766.259	36.201995951	-107.776815278
857.00	0.40	206.050	856.95	-6.42	-5.14	1,892,828.294	2,739,765.923	36.201994374	-107.776816419
948.00	0.44	201.480	947.95	-7.03	-5.40	1,892,827.684	2,739,765.655	36.201992698	-107.776817326
1,039.00	0.31	230.400	1,038.95	-7.51	-5.72	1,892,827.202	2,739,765.338	36.201991374	-107.776818404



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,132.00	1.23	49.870	1,131.94	-7.03	-5.15	1,892,827.685	2,739,765.907	36.201992700	-107.776816473
1,226.00	2.50	70.180	1,225.89	-5.68	-2.45	1,892,829.030	2,739,768.607	36.201996392	-107.776807318
1,320.00	4.53	70.620	1,319.71	-3.76	2.98	1,892,830.957	2,739,774.038	36.202001677	-107.776788906
1,414.00	6.72	75.010	1,413.25	-1.10	11.80	1,892,833.612	2,739,782.854	36.202008955	-107.776759021
1,508.00	8.75	76.940	1,506.39	1.94	24.07	1,892,836.651	2,739,795.132	36.202017283	-107.776717396
1,603.00	11.87	81.430	1,599.85	5.03	40.78	1,892,839.740	2,739,811.837	36.202025743	-107.776660770
1,697.00	15.95	84.410	1,691.07	7.73	63.20	1,892,842.440	2,739,834.260	36.202033124	-107.776584762
1,791.00	19.51	84.850	1,780.60	10.39	91.70	1,892,845.108	2,739,862.757	36.202040408	-107.776488168
1,886.00	21.75	83.710	1,869.50	13.75	125.00	1,892,848.461	2,739,896.056	36.202049564	-107.776375294
1,981.00	23.55	78.170	1,957.18	19.57	161.08	1,892,854.281	2,739,932.134	36.202065495	-107.776252997
2,075.00	26.32	76.060	2,042.41	28.44	199.69	1,892,863.153	2,739,970.748	36.202089805	-107.776122100
2,170.00	28.70	75.450	2,126.66	39.25	242.22	1,892,873.959	2,740,013.274	36.202119421	-107.775977938
2,264.00	29.14	76.150	2,208.94	50.39	286.28	1,892,885.108	2,740,057.342	36.202149976	-107.775828549
2,358.00	28.78	76.150	2,291.19	61.29	330.48	1,892,896.003	2,740,101.533	36.202179835	-107.775678742
2,453.00	28.13	75.620	2,374.71	72.33	374.37	1,892,907.039	2,740,145.430	36.202210081	-107.775529929
2,509.00	27.95	76.150	2,424.13	78.75	399.90	1,892,913.460	2,740,170.960	36.202227675	-107.775443384
2,557.00	27.61	75.795	2,466.60	84.17	421.61	1,892,918.882	2,740,192.666	36.202242536	-107.775369803
9 5/8" Casing @ 2557 MD 2466.60 TVD									
2,583.00	27.43	75.600	2,489.66	87.14	433.25	1,892,921.850	2,740,204.307	36.202250669	-107.775330338
2,677.00	25.95	74.530	2,573.64	98.01	474.05	1,892,932.721	2,740,245.102	36.202280466	-107.775192042
2,772.00	25.95	78.590	2,659.07	107.66	514.46	1,892,942.378	2,740,285.512	36.202306928	-107.775055053
2,867.00	26.65	78.320	2,744.24	116.09	555.69	1,892,950.803	2,740,326.752	36.202330004	-107.774915255
2,982.00	26.63	77.550	2,847.03	126.87	606.12	1,892,961.580	2,740,377.176	36.202359528	-107.774744322
3,076.00	24.96	76.590	2,931.66	136.01	645.99	1,892,970.723	2,740,417.042	36.202384576	-107.774609175
3,170.00	26.23	77.620	3,016.43	145.06	685.57	1,892,979.776	2,740,456.627	36.202409382	-107.774474987
3,265.00	24.61	76.300	3,102.23	154.25	725.30	1,892,988.963	2,740,496.353	36.202434551	-107.774340315
3,359.00	26.45	79.650	3,187.06	162.65	764.91	1,892,997.360	2,740,535.968	36.202457555	-107.774206022
3,453.00	24.99	78.630	3,271.74	170.32	804.97	1,893,005.036	2,740,576.031	36.202478574	-107.774070216
3,547.00	26.27	79.210	3,356.49	178.13	844.88	1,893,012.846	2,740,615.933	36.202499960	-107.773934952
3,642.00	25.40	78.360	3,442.00	186.18	885.48	1,893,020.892	2,740,656.541	36.202521997	-107.773797295
3,736.00	25.33	79.070	3,526.93	194.06	924.97	1,893,028.773	2,740,696.029	36.202543578	-107.773663432
3,830.00	24.90	78.890	3,612.05	201.69	964.13	1,893,036.398	2,740,735.191	36.202564461	-107.773530679
3,924.00	23.29	77.690	3,697.85	209.46	1,001.71	1,893,044.174	2,740,772.767	36.202585757	-107.773403298
4,019.00	23.26	76.620	3,785.12	217.81	1,038.31	1,893,052.519	2,740,809.365	36.202608619	-107.773279232
4,050.00	22.32	75.900	3,813.70	220.66	1,049.97	1,893,055.369	2,740,821.029	36.202616430	-107.773239690
4,082.00	23.33	75.960	3,843.20	223.67	1,062.01	1,893,058.387	2,740,833.070	36.202624699	-107.773198871
4,113.00	23.63	72.140	3,871.63	227.07	1,073.88	1,893,061.782	2,740,844.939	36.202634005	-107.773158633
4,144.00	23.96	62.220	3,900.01	231.91	1,085.37	1,893,066.623	2,740,856.426	36.202647284	-107.773119688
4,176.00	24.67	52.160	3,929.18	239.04	1,096.40	1,893,073.751	2,740,867.454	36.202666848	-107.773082295
4,208.00	25.82	43.260	3,958.14	248.21	1,106.45	1,893,082.927	2,740,877.508	36.202692037	-107.773048198
4,239.00	27.71	35.400	3,985.82	259.01	1,115.26	1,893,093.723	2,740,886.313	36.202721679	-107.773018330
4,270.00	28.62	28.370	4,013.16	271.42	1,122.96	1,893,106.134	2,740,894.018	36.202755761	-107.772992187
4,302.00	28.88	22.740	4,041.22	285.29	1,129.59	1,893,120.007	2,740,900.648	36.202793861	-107.772969685
4,333.00	29.19	17.960	4,068.33	299.39	1,134.82	1,893,134.104	2,740,905.874	36.202832578	-107.772951944
4,365.00	29.76	13.590	4,096.19	314.54	1,139.09	1,893,149.249	2,740,910.146	36.202874174	-107.772937429
4,396.00	30.85	8.550	4,122.96	329.88	1,142.08	1,893,164.590	2,740,913.137	36.202916313	-107.772927262
4,428.00	32.06	3.770	4,150.26	346.47	1,143.86	1,893,181.181	2,740,914.915	36.202961888	-107.772921198
4,460.00	32.54	358.910	4,177.31	363.55	1,144.25	1,893,198.263	2,740,915.310	36.203008813	-107.772919824
4,490.00	33.67	354.570	4,202.44	379.90	1,143.31	1,893,214.612	2,740,914.369	36.203053726	-107.772922978
4,522.00	35.43	350.790	4,228.80	397.89	1,140.99	1,893,232.602	2,740,912.045	36.203103150	-107.772930818
4,553.00	37.59	348.990	4,253.72	416.04	1,137.74	1,893,250.755	2,740,908.800	36.203153025	-107.772941777
4,585.00	39.00	346.770	4,278.83	435.43	1,133.58	1,893,270.140	2,740,904.632	36.203206282	-107.772955866
4,616.00	40.59	345.030	4,302.65	454.67	1,128.74	1,893,289.380	2,740,899.794	36.203259145	-107.772972224
4,648.00	43.25	342.710	4,326.46	475.20	1,122.79	1,893,309.909	2,740,893.845	36.203315551	-107.772992344
4,680.00	46.04	340.480	4,349.23	496.52	1,115.68	1,893,331.237	2,740,886.737	36.203374155	-107.773016394



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,711.00	49.37	338.090	4,370.09	517.96	1,107.56	1,893,352.675	2,740,878.616	36.203433059	-107.773043873
4,743.00	52.40	335.730	4,390.28	540.79	1,097.82	1,893,375.504	2,740,868.871	36.203495790	-107.773076855
4,774.00	55.82	333.780	4,408.45	563.50	1,087.10	1,893,398.211	2,740,858.154	36.203558186	-107.773113133
4,806.00	58.31	332.440	4,425.84	587.45	1,074.95	1,893,422.159	2,740,846.005	36.203623996	-107.773154264
4,837.00	58.66	331.790	4,442.05	610.81	1,062.59	1,893,445.518	2,740,833.645	36.203688185	-107.773196110
4,869.00	59.70	331.100	4,458.44	634.94	1,049.45	1,893,469.655	2,740,820.508	36.203754515	-107.773240586
4,900.00	62.97	330.130	4,473.31	658.64	1,036.10	1,893,493.351	2,740,807.160	36.203819632	-107.773285779
4,931.00	66.35	328.280	4,486.58	682.70	1,021.76	1,893,517.409	2,740,792.814	36.203885748	-107.773334356
4,963.00	69.71	327.210	4,498.55	707.79	1,005.92	1,893,542.500	2,740,776.976	36.203954702	-107.773387988
4,967.23	70.16	327.003	4,500.00	711.12	1,003.76	1,893,545.835	2,740,774.819	36.203963867	-107.773395292
FTP G-top 4967.23 MD 4500.00 TVD									
4,994.00	73.00	325.720	4,508.46	732.27	989.69	1,893,566.978	2,740,760.749	36.204021971	-107.773442940
5,026.00	76.46	324.020	4,516.89	757.51	971.93	1,893,592.218	2,740,742.985	36.204091339	-107.773503097
5,057.00	79.60	322.640	4,523.32	781.82	953.82	1,893,616.537	2,740,724.876	36.204158176	-107.773564430
5,088.00	83.18	320.930	4,527.96	805.90	934.86	1,893,640.613	2,740,705.917	36.204224347	-107.773628642
5,151.00	88.57	318.310	4,532.49	853.74	894.17	1,893,688.454	2,740,665.223	36.204355842	-107.773766478
5,246.00	90.07	318.120	4,533.61	924.57	830.87	1,893,759.284	2,740,601.927	36.204550524	-107.773980876
5,340.00	90.79	317.760	4,532.91	994.36	767.90	1,893,829.071	2,740,538.958	36.204742342	-107.774194170
5,434.00	87.74	315.980	4,534.11	1,062.94	703.65	1,893,897.656	2,740,474.710	36.204930860	-107.774411802
5,529.00	88.06	315.260	4,537.60	1,130.80	637.25	1,893,965.508	2,740,408.311	36.205117366	-107.774636729
5,624.00	88.66	315.020	4,540.31	1,198.11	570.27	1,894,032.819	2,740,341.328	36.205302387	-107.774863637
5,718.00	89.00	314.450	4,542.23	1,264.25	503.51	1,894,098.965	2,740,274.568	36.205484206	-107.775089794
5,812.00	88.38	313.920	4,544.38	1,329.75	436.12	1,894,164.463	2,740,207.180	36.205664247	-107.775318082
5,907.00	89.11	315.500	4,546.46	1,396.57	368.63	1,894,231.278	2,740,139.685	36.205847907	-107.775546731
6,002.00	88.86	315.060	4,548.15	1,464.06	301.79	1,894,298.770	2,740,072.849	36.206033422	-107.775773142
6,097.00	91.53	317.470	4,547.82	1,532.69	236.13	1,894,367.400	2,740,007.185	36.206222062	-107.775995584
6,192.00	91.75	317.270	4,545.10	1,602.56	171.81	1,894,437.267	2,739,942.871	36.206414097	-107.776213445
6,285.00	90.90	317.370	4,542.95	1,670.91	108.79	1,894,505.617	2,739,879.844	36.206601963	-107.776426950
6,380.00	90.97	317.740	4,541.40	1,741.00	44.68	1,894,575.710	2,739,815.739	36.206794619	-107.776644106
6,474.00	89.95	314.720	4,540.65	1,808.87	-20.33	1,894,643.578	2,739,750.724	36.206981165	-107.776864354
6,569.00	90.13	314.650	4,540.58	1,875.67	-87.88	1,894,710.383	2,739,683.180	36.207164791	-107.777093173
6,663.00	89.72	313.690	4,540.71	1,941.17	-155.30	1,894,775.880	2,739,615.758	36.207344826	-107.777321587
6,758.00	87.77	311.380	4,542.79	2,005.37	-225.28	1,894,840.081	2,739,545.781	36.207521304	-107.777558662
6,852.00	88.73	314.300	4,545.66	2,069.25	-294.16	1,894,903.960	2,739,476.896	36.207696893	-107.777792038
6,947.00	89.52	314.800	4,547.11	2,135.89	-361.85	1,894,970.597	2,739,409.204	36.207880057	-107.778021365
7,041.00	90.43	315.140	4,547.15	2,202.32	-428.36	1,895,037.029	2,739,342.702	36.208062657	-107.778246660
7,135.00	87.86	312.720	4,548.55	2,267.52	-496.04	1,895,102.227	2,739,275.023	36.208241868	-107.778475948
7,230.00	88.80	315.910	4,551.32	2,333.85	-563.97	1,895,168.557	2,739,207.089	36.208424188	-107.778706102
7,324.00	89.17	316.020	4,552.99	2,401.42	-629.30	1,895,236.124	2,739,141.760	36.208609903	-107.778927421
7,418.00	92.35	316.310	4,551.74	2,469.21	-694.39	1,895,303.915	2,739,076.672	36.208796231	-107.779147927
7,512.00	92.37	315.130	4,547.87	2,536.45	-759.96	1,895,371.155	2,739,011.101	36.208981045	-107.779370069
7,607.00	92.15	313.660	4,544.12	2,602.85	-827.78	1,895,437.563	2,738,943.275	36.209163579	-107.779599859
7,701.00	92.29	313.730	4,540.48	2,667.74	-895.70	1,895,502.451	2,738,875.362	36.209341936	-107.779829949
7,795.00	89.05	313.700	4,539.38	2,732.69	-963.63	1,895,567.399	2,738,807.434	36.209520456	-107.780060090
7,889.00	89.89	314.030	4,540.25	2,797.83	-1,031.39	1,895,632.533	2,738,739.666	36.209699489	-107.780289688
7,984.00	88.02	315.210	4,541.98	2,864.54	-1,099.00	1,895,699.246	2,738,672.062	36.209882857	-107.780518729
8,078.00	88.66	315.260	4,544.71	2,931.25	-1,165.16	1,895,765.958	2,738,605.895	36.210066219	-107.780742898
8,172.00	88.33	314.410	4,547.18	2,997.50	-1,231.80	1,895,832.210	2,738,539.260	36.210248320	-107.780968658
8,267.00	88.98	314.410	4,549.41	3,063.96	-1,299.64	1,895,898.671	2,738,471.416	36.210430996	-107.781198517
8,361.00	89.33	314.080	4,550.79	3,129.54	-1,366.98	1,895,964.250	2,738,404.086	36.210611247	-107.781426637
8,456.00	90.31	314.560	4,551.09	3,195.92	-1,434.94	1,896,030.622	2,738,336.119	36.210793676	-107.781656912
8,551.00	90.28	313.810	4,550.60	3,262.13	-1,503.06	1,896,096.833	2,738,267.997	36.210975665	-107.781887717
8,645.00	90.71	313.690	4,549.79	3,327.13	-1,570.96	1,896,161.833	2,738,200.098	36.211154323	-107.782117770
8,740.00	88.37	311.790	4,550.55	3,391.59	-1,640.72	1,896,226.297	2,738,130.336	36.211331514	-107.782354137
8,834.00	90.46	314.780	4,551.51	3,456.03	-1,709.14	1,896,290.732	2,738,061.924	36.211508622	-107.782585930



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,928.00	88.74	312.960	4,552.17	3,521.16	-1,776.90	1,896,355.870	2,737,994.166	36.211687658	-107.782815509
9,022.00	90.15	314.960	4,553.08	3,586.41	-1,844.55	1,896,421.112	2,737,926.511	36.211866983	-107.783044737
9,117.00	88.73	313.630	4,554.01	3,652.74	-1,912.54	1,896,487.450	2,737,858.521	36.212049314	-107.783275099
9,211.00	89.97	316.470	4,555.07	3,719.26	-1,978.94	1,896,553.963	2,737,792.124	36.212232127	-107.783500064
9,306.00	90.25	315.740	4,554.89	3,787.71	-2,044.80	1,896,622.421	2,737,726.257	36.212420279	-107.783723226
9,400.00	88.91	313.960	4,555.58	3,854.00	-2,111.44	1,896,688.708	2,737,659.622	36.212602471	-107.783949001
9,495.00	89.98	315.870	4,556.50	3,921.07	-2,178.71	1,896,755.776	2,737,592.354	36.212786808	-107.784176917
9,589.00	90.00	315.600	4,556.52	3,988.39	-2,244.32	1,896,823.091	2,737,526.745	36.212971820	-107.784399215
9,683.00	90.19	315.050	4,556.36	4,055.23	-2,310.41	1,896,889.935	2,737,460.655	36.213155537	-107.784623141
9,777.00	89.66	313.740	4,556.48	4,120.99	-2,377.57	1,896,955.696	2,737,393.491	36.213336280	-107.784850713
9,872.00	89.35	316.510	4,557.31	4,188.30	-2,444.59	1,897,023.008	2,737,326.472	36.213521285	-107.785077792
9,966.00	90.76	317.490	4,557.22	4,257.05	-2,508.70	1,897,091.752	2,737,262.367	36.213710220	-107.785294991
10,060.00	87.88	316.170	4,558.33	4,325.59	-2,573.00	1,897,160.296	2,737,198.068	36.213898602	-107.785512847
10,154.00	88.54	315.930	4,561.27	4,393.23	-2,638.20	1,897,227.937	2,737,132.862	36.214084507	-107.785733783
10,249.00	89.27	316.060	4,563.08	4,461.55	-2,704.19	1,897,296.255	2,737,066.876	36.214272274	-107.785957362
10,344.00	88.37	315.380	4,565.04	4,529.55	-2,770.50	1,897,364.254	2,737,000.565	36.214459160	-107.786182042
10,438.00	88.43	314.950	4,567.66	4,596.18	-2,836.75	1,897,430.887	2,736,934.315	36.214642296	-107.786406521
10,533.00	89.80	314.970	4,569.13	4,663.30	-2,903.96	1,897,498.005	2,736,867.103	36.214826766	-107.786634262
10,627.00	89.72	314.610	4,569.52	4,729.52	-2,970.67	1,897,564.228	2,736,800.393	36.215008775	-107.786860304
10,721.00	90.09	313.660	4,569.68	4,794.98	-3,038.13	1,897,629.684	2,736,732.930	36.215188677	-107.787088900
10,815.00	89.74	314.310	4,569.82	4,860.26	-3,105.77	1,897,694.964	2,736,665.295	36.215368095	-107.787318078
10,910.00	90.00	313.280	4,570.04	4,926.01	-3,174.34	1,897,760.710	2,736,596.724	36.215548795	-107.787550434
11,004.00	87.27	314.380	4,572.27	4,991.08	-3,242.13	1,897,825.781	2,736,528.939	36.215727639	-107.787780125
11,098.00	89.57	314.370	4,574.87	5,056.79	-3,309.28	1,897,891.490	2,736,461.780	36.215908236	-107.788007694
11,193.00	91.55	315.930	4,573.94	5,124.13	-3,376.28	1,897,958.832	2,736,394.789	36.216093316	-107.788234690
11,287.00	90.70	315.410	4,572.09	5,191.36	-3,441.95	1,898,026.059	2,736,329.117	36.216278078	-107.788457220
11,382.00	89.43	313.740	4,571.98	5,258.03	-3,509.62	1,898,092.730	2,736,261.449	36.216461315	-107.788686515
11,477.00	87.63	312.220	4,574.42	5,322.77	-3,579.09	1,898,157.470	2,736,191.976	36.216639250	-107.788921934
11,572.00	89.60	314.740	4,576.72	5,388.11	-3,647.99	1,898,222.813	2,736,123.073	36.216818838	-107.789155424
11,666.00	88.82	313.990	4,578.01	5,453.83	-3,715.19	1,898,288.532	2,736,055.880	36.216999461	-107.789383114
11,760.00	90.84	313.820	4,578.29	5,519.01	-3,782.91	1,898,353.714	2,735,988.157	36.217178606	-107.789612601
11,855.00	89.66	315.710	4,577.88	5,585.91	-3,850.35	1,898,420.608	2,735,920.712	36.217362454	-107.789841145
11,949.00	88.74	314.410	4,579.19	5,652.44	-3,916.74	1,898,487.137	2,735,854.323	36.217545297	-107.790066114
12,043.00	89.57	314.360	4,580.58	5,718.18	-3,983.91	1,898,552.880	2,735,787.153	36.217725981	-107.790293730
12,137.00	89.53	313.970	4,581.32	5,783.67	-4,051.34	1,898,618.370	2,735,719.726	36.217905970	-107.790522220
12,231.00	88.74	313.060	4,582.73	5,848.38	-4,119.50	1,898,683.085	2,735,651.567	36.218083830	-107.790753194
12,326.00	89.09	312.740	4,584.53	5,913.04	-4,189.08	1,898,747.741	2,735,581.988	36.218261531	-107.790988981
12,420.00	89.64	312.090	4,585.58	5,976.44	-4,258.47	1,898,811.139	2,735,512.595	36.218435774	-107.791224143
12,515.00	88.81	310.860	4,586.86	6,039.35	-4,329.64	1,898,874.050	2,735,441.425	36.218608679	-107.791465328
12,609.00	89.88	314.300	4,587.93	6,102.94	-4,398.84	1,898,937.637	2,735,372.226	36.218783442	-107.791699834
12,704.00	88.85	313.290	4,588.99	6,168.68	-4,467.41	1,899,003.379	2,735,303.660	36.218964122	-107.791932193
Survey @ 12704.00 MD 4588.99 TVD									
12,723.00	88.85	313.290	4,589.37	6,181.70	-4,481.23	1,899,016.405	2,735,289.832	36.218999920	-107.791979051
LTP @ 12723 MD 4589.37 TVD									
12,737.00	88.85	313.290	4,589.65	6,191.30	-4,491.42	1,899,026.002	2,735,279.644	36.219026298	-107.792013578
330 perp @ 12737.00 MD 4589.65 TVD									
12,844.00	88.85	313.290	4,591.80	6,264.66	-4,569.29	1,899,099.356	2,735,201.775	36.219227899	-107.792277463
Survey Proj. to 12844 MD 4591.80 TVD 163 FNL 2134 FEL									



Survey Report - Geographic



Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well W Lybrook Unit No. 730H
Project:	San Juan County, New Mexico NAD83 NM W	TVD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Site:	W Lybrook 730 Pad (730, 763, 830, 861 & 863)	MD Reference:	RKB=6641+28 @ 6669.00ft (Ensign 773)
Well:	W Lybrook Unit No. 730H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys Original Hole	Database:	DB_Feb2822

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,557.00			9-5/8	12-1/4

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
401.00	400.98	-2.63	-2.14	MWD surveys
2,557.00	2,466.60	84.17	421.61	9 5/8" Casing @ 2557 MD 2466.60 TVD
4,967.23	4,500.00	711.12	1,003.76	FTP G-top 4967.23 MD 4500.00 TVD
12,704.00	4,588.99	6,168.68	-4,467.41	Survey @ 12704.00 MD 4588.99 TVD
12,723.00	4,589.37	6,181.70	-4,481.23	LTP @ 12723 MD 4589.37 TVD
12,737.00	4,589.65	6,191.30	-4,491.42	330 perp @ 12737.00 MD 4589.65 TVD
12,844.00	4,591.80	6,264.66	-4,569.29	Survey Proj. to 12844 MD 4591.80 TVD 163 FNL 2134 FEL

WELL NAME: W LYBROOK UNIT 730H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-I formation
API Number: 30-045-35843
AFE Number: DV03066
ER Well Number: NM08074.01
State: New Mexico
County: San Juan
Surface Elev.: 6,641 ft ASL (GL) 6,669 ft ASL (KB)
Surface Location: 27-23N-09W Sec-Twn- Rng 1,141 ft FNL 2,446 ft FWL
BH Location: 21-23N-09W Sec-Twn- Rng 232 ft FNL 1992 ft FEL
Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	2,566 ft
KOP (MD)	4,104 ft
KOP (TVD)	3,860 ft
Target (TVD)	4,542 ft
Curve BUR	10 °/100 ft
POE (MD)	5,201 ft
TD (MD)	12,834 ft
Lat Len (ft)	7,519 ft

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 0.6 miles to fork, Right (Southwest) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 onto access road for W Lybrook Unit 720H pad for 0.6 miles to fork, Left (West) onto access road for W Lybrook Unit 726H pad for 0.7 miles to fork, Left (West) for 1.4 miles to fork. Left (Southeast) for 0.6 miles to W Lybrook Unit 730H Pad (wells: 730H, 763H, 830H, 861H, 863H).

WELL CONSTRUCTION SUMMARY:

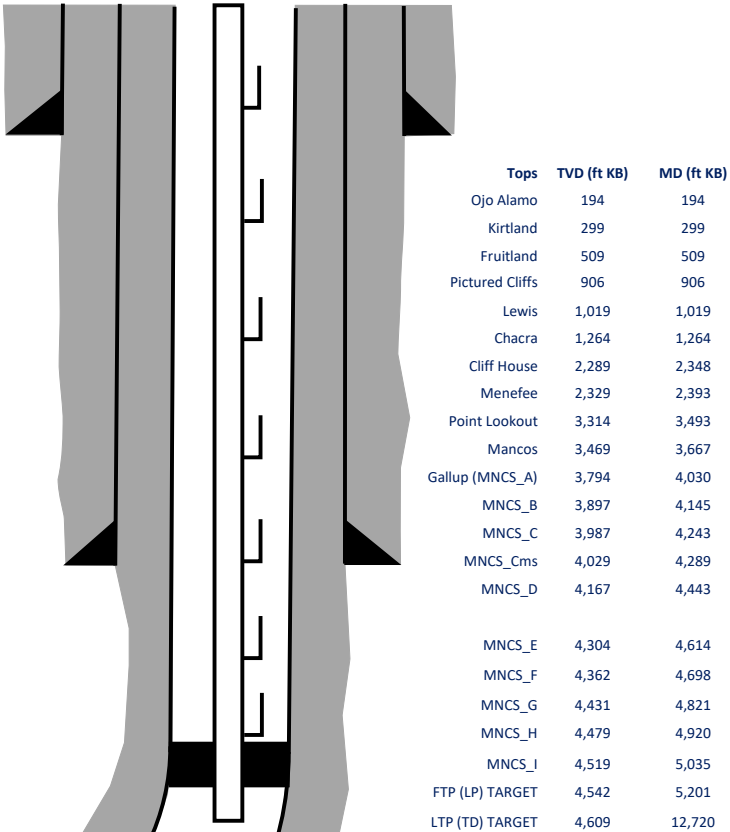
	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,566	9.625	36.0	J-55	LTC	0	2,566
Production	8.500	12,834	5.500	17.0	P-110	LTC	0	12,834

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	471
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,004	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	472
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.2291	10%	3,667	1,462

COMPLETION / PRODUCTION SUMMARY:

Frac: 30 plug-and-perf stages with 210,000 bbls slickwater fluid and 13,000,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)
Production: Produce through production tubing via gas-lift into permanent production and storage facilities



Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.5. Lease Serial No.
N0-G-1403-1953

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Enduring Resources IV LLC

3a. Address

200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)

505-636-9743

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1141' FSL & 2446' FWL, Sec 27 T23N, R9W**BHL: 330' FNL & 1894' FEL, Sec 21 T23N, R9W**7. If Unit of CA/Agreement, Name and/or No.
NMNM135216A

8. Well Name and No.

Greater Lybrook Unit 730H

9. API Well No.

30-045-35843

10. Field and Pool or Exploratory Area

Lybrook Mancos W

11. Country or Parish, State

San Juan, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

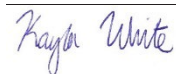
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

6/24/2022 thru 6/26/2022- Pre frac site set up, MIRU, Pressure test**6/26/2022 thru 7/11/2022-** 24 hour Frac Ops. 32 total stages, total holes 1,344, 4970' - 12718' MD. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 10,048,870 lbs total proppant**7/25/2022 thru 7/27/2022 -** Drilling out operations**7/27/2022 -** tubing landed at 4,847' MD

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Kayla White

Title: Environmental Engineer



Date: 8/24/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED

OMB NO. 1004-0137

Expires: January 31, 2018

5. Lease Serial No.

N0-G-1403-1953

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMNM135216A

8. Lease Name and Well No.

Greater Lybrook Unit 730H

9. API Well No.

30-045-35843

10. Field and Pool or Exploratory

Lybrook Mancos W

11. Sec., T., R., M., on Block and

Survey or Area

Sec 27 T23N R9W

12. County or Parish

San Juan

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

6669' KB

1a. Type of Well ☒ Oil Well ☐ Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
☐ Other: _____

2. Name of Operator

Enduring Resources IV LLC

3. Address

200 Energy Court Farmington NM 87402

3a. Phone No. (Include area code)

505-636-9743

4. Location of Well (Report location clearly and in accordance with Federal requirements) *

At surface

SHL: 1141' FSL & 2446' FWL, Sec 27 T23N, R9W

BHL: 330' FNL & 1894' FEL, Sec 21 T23N, R9W

At top prod. interval reported below At total depth

14. Date Spudded

2/3/2022

15. Date T.D. Reached

4/15/2022

16. Date Completed 8/4/2022

☐ D & A

☒ Ready to Prod.

18. Total Depth: **12834' MD**

4591' TVD

19. Plug Back T.D.: **12717.8' MD**

4589' TVD

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

Directional Survey?

☐ No

☒ Yes (Submit copy)

Form 3160-4

(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8", J-55	54.5	0	360' MD		350	86.6	surface	
12-1/4"	9-5/8", J-55	36	0	2566' MD		604	218.7	surface	
8-1/2"	5-1/2", P-110	17	0	12834' MD		1934	605	surface	

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8", 6.5#, L-80	4847'	4779'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Gallup	3784' TVD	4579' TVD	4970'-12718' MD	.31	1344	

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
4970'-12718' MD	32 total stages, total holes 1,344. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 10,048,870 lbs total proppant

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
8/4/2022	8/4/2022	24 hr	➡	90	725	483			Flowing
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64"	253	1087	➡					Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
			➡						

Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
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*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
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Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
------------	----------------------	-------------	---------------	---------	---------	-----------	---------------	-------------

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
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Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
------------	----------------------	-------------	---------------	---------	---------	-----------	---------------	-------------

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
OJAM	194'				
KRLD	299'				
FRLD	509'				
PCCF	906'				
CLFH	2289'				
MENF	2309'				
PNLK	3292'				
MNCS	3446'				
Gallup	3784'				

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) *

Name (please print) Kayla White

Title Environmental Engineer

Signature Kayla White

Date: 8/24/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 143865

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143865
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 143865

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 143865
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	2/7/2023